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☐ 1: AAH09534. PINK1 protein [Ho...[gi:16306928]

[BLink](#), [Domains](#), [Links](#)

LOCUS AAH09534 303 aa linear PRI 18-JUN-2003  
DEFINITION PINK1 protein [Homo sapiens].  
ACCESSION AAH09534  
VERSION AAH09534.1 GI:16306928  
DBSOURCE accession [BC009534.1](#)  
KEYWORDS .  
SOURCE Homo sapiens (human)  
ORGANISM [Homo sapiens](#)  
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1 (residues 1 to 303)  
AUTHORS Strausberg,R.L., Feingold,E.A., Grouse,L.H., Derge,J.G.,  
Klausner,R.D., Collins,F.S., Wagner,L., Shenmen,C.M., Schuler,G.D.,  
Altschul,S.F., Zeeberg,B., Buetow,K.H., Schaefer,C.F., Bhat,N.K.,  
Hopkins,R.F., Jordan,H., Moore,T., Max,S.I., Wang,J., Hsieh,F.,  
Diatchenko,L., Marusina,K., Farmer,A.A., Rubin,G.M., Hong,L.,  
Stapleton,M., Soares,M.B., Bonaldo,M.F., Casavant,T.L.,  
Scheetz,T.E., Brownstein,M.J., Usdin,T.B., Toshiyuki,S.,  
Carninci,P., Prange,C., Raha,S.S., Loquellano,N.A., Peters,G.J.,  
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McKernan,K.J., Malek,J.A., Gunaratne,P.H., Richards,S.,  
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Villalon,D.K., Muzny,D.M., Sodergren,E.J., Lu,X., Gibbs,R.A.,  
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Bouffard,G.G., Blakesley,R.W., Touchman,J.W., Green,E.D.,  
Dickson,M.C., Rodriguez,A.C., Grimwood,J., Schmutz,J., Myers,R.M.,  
Butterfield,Y.S., Krzywinski,M.I., Skalska,U., Smailus,D.E.,  
Schnierch,A., Schein,J.E., Jones,S.J. and Marra,M.A.  
TITLE Generation and initial analysis of more than 15,000 full-length  
human and mouse cDNA sequences  
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)  
MEDLINE [22388257](#)  
PUBMED [12477932](#)  
REFERENCE 2 (residues 1 to 303)  
AUTHORS Strausberg,R.  
TITLE Direct Submission  
JOURNAL Submitted (29-JUN-2001) National Institutes of Health, Mammalian  
Gene Collection (MGC), Cancer Genomics Office, National Cancer  
Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,  
USA  
REMARK NIH-MGC Project URL: <http://mgc.nci.nih.gov>  
COMMENT Contact: MGC help desk  
Email: [cgapbs-r@mail.nih.gov](mailto:cgapbs-r@mail.nih.gov)  
Tissue Procurement: DCTD/DTP/Gazdar  
cDNA Library Preparation: Life Technologies, Inc.  
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)  
DNA Sequencing by: Sequencing Group at the Stanford Human Genome  
Center, Stanford University School of Medicine, Stanford, CA 94305  
Web site: <http://www-shgc.stanford.edu>  
Contact: (Dickson, Mark) [mcd@paxil.stanford.edu](mailto:mcd@paxil.stanford.edu)  
Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers,  
R. M.

Clone distribution: MGC clone distribution information can be found  
through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>  
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Method: conceptual translation.

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Jun 19 2003 12:37:45



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Details

Links

☐ 1: BC009534. Homo sapiens PTEN...[gi:16306927]

LOCUS BC009534 1553 bp mRNA linear PRI 18-JUN-2003  
DEFINITION Homo sapiens PTEN induced putative kinase 1, mRNA (cdna clone  
IMAGE:3891886), partial cds.  
ACCESSION BC009534  
VERSION BC009534.1 GI:16306927  
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SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1 (bases 1 to 1553)  
AUTHORS Strausberg,R.L., Feingold,E.A., Grouse,L.H., Derge,J.G.,  
Klausner,R.D., Collins,F.S., Wagner,L., Shenmen,C.M., Schuler,G.D.,  
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TITLE Generation and initial analysis of more than 15,000 full-length  
human and mouse cDNA sequences  
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)  
MEDLINE 22388257  
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REFERENCE 2 (bases 1 to 1553)  
AUTHORS Strausberg,R.  
TITLE Direct Submission  
JOURNAL Submitted (29-JUN-2001) National Institutes of Health, Mammalian  
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Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,  
USA  
REMARK NIH-MGC Project URL: <http://mgc.nci.nih.gov>  
COMMENT Contact: MGC help desk  
Email: [cgapbs-r@mail.nih.gov](mailto:cgapbs-r@mail.nih.gov)  
Tissue Procurement: DCTD/DTP/Gazdar  
cDNA Library Preparation: Life Technologies, Inc.  
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)  
DNA Sequencing by: Sequencing Group at the Stanford Human Genome  
Center, Stanford University School of Medicine, Stanford, CA 94305  
Web site: <http://www-shgc.stanford.edu>  
Contact: (Dickson, Mark) [mcd@paxil.stanford.edu](mailto:mcd@paxil.stanford.edu)  
Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers,  
R. M.

Clone distribution: MGC clone distribution information can be found  
through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>  
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☐ 1: NM\_067525. Caenorhabditis el...[gi:25151887]

LOCUS NM\_067525 3334 bp mRNA linear INV 22-NOV-2002

DEFINITION Caenorhabditis elegans regulator of dauer formation and suppressor of age-1 PTEN phosphatidylinositol 3' phosphatase DAF-18 (110.3 kD) (daf-18) complete mRNA.

ACCESSION NM\_067525

VERSION NM\_067525.2 GI:25151887

KEYWORDS .

SOURCE Caenorhabditis elegans

ORGANISM Caenorhabditis elegans  
Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida;  
Rhabditoidea; Rhabditidae; Peloderinae; Caenorhabditis.

REFERENCE 1 (bases 1 to 3334)

AUTHORS Mihaylova,V.T., Borland,C.Z., Manjarrez,L., Stern,M.J. and Sun,H.

TITLE The PTEN tumor suppressor homolog in Caenorhabditis elegans regulates longevity and dauer formation in an insulin receptor-like signaling pathway

JOURNAL Proc. Natl. Acad. Sci. U.S.A. 96 (13), 7427-7432 (1999)

MEDLINE 99307426

PUBMED 10377431

REFERENCE 2 (bases 1 to 3334)

AUTHORS Rouault,J.P., Kuwabara,P.E., Sinilnikova,O.M., Duret,L., Thierry-Mieg,D. and Billaud,M.

TITLE Regulation of dauer larva development in Caenorhabditis elegans by daf-18, a homologue of the tumour suppressor PTEN

JOURNAL Curr. Biol. 9 (6), 329-332 (1999)

MEDLINE 99227332

PUBMED 10209098

REFERENCE 3 (bases 1 to 3334)

AUTHORS Gil,E.B., Malone Link,E., Liu,L.X., Johnson,C.D. and Lees,J.A.

TITLE Regulation of the insulin-like developmental pathway of Caenorhabditis elegans by a homolog of the PTEN tumor suppressor gene

JOURNAL Proc. Natl. Acad. Sci. U.S.A. 96 (6), 2925-2930 (1999)

MEDLINE 99178991

PUBMED 10077613

REFERENCE 4 (bases 1 to 3334)

AUTHORS Ogg,S. and Ruvkun,G.

TITLE The C. elegans PTEN homolog, DAF-18, acts in the insulin receptor-like metabolic signaling pathway

JOURNAL Mol. Cell 2 (6), 887-893 (1998)

MEDLINE 99102962

PUBMED 9885576

REFERENCE 5 (bases 1 to 3334)

AUTHORS Dorman,J.B., Albinder,B., Shroyer,T. and Kenyon,C.

TITLE The age-1 and daf-2 genes function in a common pathway to control the lifespan of Caenorhabditis elegans

JOURNAL Genetics 141 (4), 1399-1406 (1995)

MEDLINE 96170778

PUBMED 8601482

REFERENCE 6 (bases 1 to 3334)

AUTHORS Larsen,P.L., Albert,P.S. and Riddle,D.L.

TITLE Genes that regulate both development and longevity in Caenorhabditis elegans

JOURNAL Genetics 139 (4), 1567-1583 (1995)

MEDLINE 95309673

PUBMED 7789761

REFERENCE 7 (bases 1 to 3334)

AUTHORS Vowels,J.J. and Thomas,J.H.

TITLE Genetic analysis of chemosensory control of dauer formation in Caenorhabditis elegans

JOURNAL Genetics 130 (1), 105-123 (1992)

MEDLINE 92120509

PUBMED 1732156

REFERENCE 8 (bases 1 to 3334)

AUTHORS Riddle,D.L., Swanson,M. and Albert,P.S.  
 TITLE Interacting genes in nematode dauer larva formation  
 JOURNAL Nature 290 (5808), 668-671 (1981)  
 MEDLINE 81173090  
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thaliana: gb|AA24115.1| (154); Saccharomyces cerevisiae: ref|NP 014271.1| (71); Schizosaccharomyces pombe: ref|NP 596312.1| (96); Caenorhabditis elegans: ref|NP 499926.1| (1912); Drosophila melanogaster: ref|NP 477423.1| (159); Takifugu rubripes: gb|AAL08419.1| (187); Xenopus laevis: gb|AAD46165.1|AF144732 1 (169); Mus musculus: ref|NP 032986.1| (182); Rattus norvegicus: ref|NP 113794.1| (182); Homo sapiens: ref|NP 000305.1| (182)."  
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misc\_feature

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/note="Region: [PSORT] nuclear localization domain:  
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misc\_feature

bond(237,238)  
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/locus\_tag="4B174"  
/note="Intron length 50 bp, type gt\_ag"

exon

238..482  
/gene="daf-18"  
/locus\_tag="4B174"

misc\_feature

bond(482,483)  
/gene="daf-18"  
/locus\_tag="4B174"

exon

/note="Intron length 642 bp, type gt\_ag"  
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/gene="daf-18"  
/locus\_tag="4B174"

misc\_feature

/note="Exon 3 length 866 bp"  
bond(1348,1349)  
/gene="daf-18"  
/locus\_tag="4B174"  
/note="Intron length 472 bp, type gt\_ag"

exon

1349..1951  
/gene="daf-18"  
/locus\_tag="4B174"  
/note="Exon 4 length 603 bp"

misc\_feature

bond(1951,1952)  
/gene="daf-18"  
/locus\_tag="4B174"  
/note="Intron length 51 bp, type gt\_ag"

exon

1952..2396  
/gene="daf-18"  
/locus\_tag="4B174"  
/note="Exon 5 length 445 bp"

misc\_feature

bond(2396,2397)  
/gene="daf-18"  
/locus\_tag="4B174"  
/note="Intron length 567 bp, type gt\_ag"  
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/gene="daf-18"

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/locus_tag="4B174"
/note="Exon 6 length 399 bp"
misc feature bond(2795,2796)
/locus_tag="4B174"
/note="Intron length 52 bp, type gt_ag"
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/locus_tag="4B174"
/note="Exon 7 length 539 bp"
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/locus_tag="4B174"
/evidence=experimental
polyA_signal 3311..3316
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